IN THE CLAIMS

Please make the following claim substitutions:

1   1. (Original) A method for maintaining a connection between a server

2   and a client comprising the steps of:

3   receiving a message;

4   determining whether to store one or more elements of the message;

5   storing the one or more elements of the message when the one or more

6   elements of the message are to be stored;

7   transmitting the message; and

8   determining whether the server has failed and when the server has failed,

9   restoring the server to a pre-failure connection state using the one or more stored

10   message elements.

1   2. (Original) The method as recited in claim 1, further comprising the

2   steps of:

3   determining whether to delay the message; and

4   delaying the transmission of the message until one or more conditions are

5   satisfied when the message is to be delayed.

1   3. (Original) The method as recited in claim 2, wherein the one or more

2   conditions comprises successful storage of the one or more elements

3   of the message.

1   4. (Original) The method as recited in claim 1, further comprising the

2   steps of:

3   determining whether to discard the message;

4   discarding the message when the message is to be discarded; and

5   wherein the message is not transmitted when the message is to be

6   discarded.

1   5. (Original) The method as recited in claim 1, further comprising the

2   steps of:

3 determining whether to modify the message; and

4 modifying one or more elements of the message when the message is to

5 be modified.

1 6. (Currently amended) The method as recited in claim 1, wherein the

2 step of restoring the ~~application~~ server to ~~a~~ the pre-failure connection

3 state using the one or more stored message elements further

4 comprises periodically transmitting an outgoing message to maintain

5 the connection until the ~~application~~ server is restored.

1 7. (Original) The method as recited in claim 1, further comprising the

2 step of periodically storing a current state of the server and discarding

3 any stored elements that are no longer needed to restore the server

4 to the current state.

1 8. (Original) The method as recited in claim 1, wherein the message is a

2 protocol segment.

1 9. (Original) The method as recited in claim 1, wherein the message

2 conforms to the Transmission Control Protocol (TCP) standard.

1 10. (Original) The method as recited in claim 1, wherein the one or more

2 elements are stored in a log server.

1 11. (Original) The method as recited in claim 10, wherein the log server is

2 remotely located from the server.

1 12. (Original) The method as recited in claim 1, wherein the one or more

2 elements are stored in a stable memory in the server.

1 13. (Original) The method as recited in claim 1, wherein the one or more

2 elements are stored in a secondary server.

1 14. (Original) The method of claim 1, further including the step of

2 periodically transmitting, when said server has failed, an outgoing

message to the client to maintain the connection until the server is restored.

15. (Canceled)

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